

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/008210

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/23 A61K9/28 A61K47/16 A61P19/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, CHEM ABS Data, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MONGIORGI R G MAGGI ET AL: "Influence of calcitonin treatment on the bone structure and mineral content in osteoarthritis" BOLLETTINO SOCIETA ITALIANA BIOLOGIA SPERIMENTALE, vol. 68, no. 2, 1992, pages 85-89, XP009037567 ISSN: 0037-8771 page 88 page 129, right-hand column, paragraph 4 ----- -/-	1, 11, 12, 18, 21, 22, 24
Y		3, 4, 7-10, 13-15

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

6 October 2004

Date of mailing of the International search report

20/10/2004

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INTERNATIONAL SEARCH REPORT

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PCT/EP2004/008210

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/59863 A (BAY WILLIAM E ; CHAUDHARY KIRAN (US); MAJURU SHINGAI (US); RUSSO JOANN) 12 October 2000 (2000-10-12) page 8, lines 16-28; examples 4,19-22,25-32	18,20, 23,24
Y	-----	3,4, 7-10, 13-15
X	GOSPODINOFF A ET AL: "CALCITONIN IN TREATMENT OF COXARTHROSIS" CLINICA TERAPEUTICA, vol. 110, no. 2, 1984, pages 129-133, XP009037568 ISSN: 0009-9074 page 129, right-hand column, paragraph 4	1,11,12, 18,21, 22,24
X	CONSOLI G ET AL: "CALCITONIN IN RHEUMATOLOGIE OSTEOPOROSIS ASPECTS AND PRELIMIN EVALUATION OF PATHOPHYSIOLOGY AND CLINICAL FEATURES" CLINICA TERAPEUTICA, SOCIETA EDITRICE UNIVERSO, ROME, IT, vol. 118, no. 1, 1986, pages 37-47, XP008016118 ISSN: 0009-9074 abstract	1,11,18, 21
Y	-----	4-7,13, 16,17
X	DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 18 February 2003 (2003-02-18), GUGGI DAVIDE ET AL: "In vitro evaluation of polymeric excipients protecting calcitonin against degradation by intestinal serine proteases." XP002299414 Database accession no. NLM12550794 abstract	18
Y	& INTERNATIONAL JOURNAL OF PHARMACEUTICS. 18 FEB 2003, vol. 252, no. 1-2, 18 February 2003 (2003-02-18), pages 187-196, ISSN: 0378-5173	4,5,7, 13,16
X	SMETHURST M ET AL: "COMBINED THERAPY WITH ASCORBIC ACID AND CALCITONIN FOR THE RELIEF OF BONE PAIN IN PAGET'S DISEASE" ACTA VITAMINOLOGICA ET ENZYMOLOGICA, MILAN, IT, vol. 3, no. 1, 1981, pages 8-11, XP009034435 ISSN: 0300-8924 abstract	2,18,19

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/008210

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 199405 Derwent Publications Ltd., London, GB; Class B04, AN 1994-040031 XP002279683 & JP 05 345729 A (ASAHI CHEM IND CO LTD) 27 December 1993 (1993-12-27) abstract -----	18,20,23
X	LEE YONG-HEE ET AL: "Oral delivery of salmon calcitonin" ADVANCED DRUG DELIVERY REVIEWS, vol. 42, no. 3, 31 August 2000 (2000-08-31), pages 225-238, XP001183916 ISSN: 0169-409X page 231, right-hand column page 235, left-hand column -----	18
Y		6,17

INTERNATIONAL SEARCH REPORTInternational application No.
PCT/EP2004/008210**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 1-10, 22: Rule 39.1(iv) PCT – Method for treatment of the human or animal body by therapy
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/008210

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 0059863	A	12-10-2000	AU 3357800 A AU 4216700 A AU 4218400 A CA 2361716 A1 CA 2369591 A1 EP 1149066 A1 EP 1175390 A1 JP 2002541132 T WO 0046182 A1 WO 0059863 A1 WO 0059480 A1 US 2004106825 A1 US 2002013497 A1 US 2002065255 A1 ZA 200107716 A	25-08-2000 23-10-2000 23-10-2000 10-08-2000 12-10-2000 31-10-2001 30-01-2002 03-12-2002 10-08-2000 12-10-2000 12-10-2000 03-06-2004 31-01-2002 30-05-2002 18-08-2003
JP 5345729	A	27-12-1993	JP 3501471 B2	02-03-2004